

What Is Claimed Is:

1. A time division data transmitter/receiver for transmitting/receiving data packets by a time division multiple access/time division duplex communication system, having at least a transmitting/receiving unit for transmitting/receiving high frequency signals, a modulating/demodulating unit for converting the high frequency signals into baseband signals, and a baseband signal processing unit for processing the baseband signals, wherein in each of the data packets is additionally set a one-bit frame flag for specifying the data packet and a one-bit retry flag for specifying, in the event that the data packet suffers a communication error, the need or non-need to retransmit the data packet, and wherein the baseband signal processing unit is provided with a means of changing over, where the retry flag of one data packet is transmitted with the need to retransmit specified, to an operation mode to retransmit the data packet only when the frame flag specification of the data packet received immediately after that transmission is wrong or when a reception error has arisen in that received data packet.

2. The time division data transmitter/receiver according to Claim 1, wherein the retry flag sets a bit value 1 when the data packet needs retransmission or a bit value 0 when the data packet needs no retransmission.

3. The time division data transmitter/receiver according to Claim 1, wherein the frame flag, where two data

packets needing retransmission to be transmitted consecutively are specified, specifies one of the data packets at a bit value 0 and the other data packet at a bit value 1.

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